



Biomembranes

Author Index

- Adler, I.-D., see Van Montfort, J.E. (1564) 183
- Antunes-Madeira, M.C., see Videira, R.A. (1564) 140
- Aojula, H.S., Offerman, S., Aojula, R.R., Hutchinson, A.P., Nicklin, S. and Clarke, D.J.
Cloaking cytolytic peptides for liposome-based detection and potential drug delivery (1564) 73
- Aojula, R.R., see Aojula, H.S. (1564) 73
- Audet, R., see Pouliot, R. (1564) 317
- Auger, M., see Pouliot, R. (1564) 317
- Aussenac, F., see Carlotti, C. (1564) 156
- Balduzzi, R., Cupello, A. and Robello, M.
Modulation of the expression of GABA_A receptors in rat cerebellar granule cells by protein tyrosine kinases and protein kinase C (1564) 263
- Bartosz, G., see Soszyński, M. (1564) 479
- Bartucci, R., Pantusa, M., Marsh, D. and Sportelli, L.
Interaction of human serum albumin with membranes containing polymer-grafted lipids: spin-label ESR studies in the mushroom and brush regimes (1564) 237
- Becker, F.F., see Wang, X. (1564) 412
- Bellocco, E., see Galtieri, A. (1564) 214
- Berglund, A.H., Quartacci, M.F., Calucci, L., Navari-Izzo, F., Pinzino, C. and Liljenberg, C.
Alterations of wheat root plasma membrane lipid composition induced by copper stress result in changed physicochemical properties of plasma membrane lipid vesicles (1564) 466
- Bernatchez, R., see Moreau, R. (1564) 325
- Bessin, Y., see Saint, N. (1564) 359
- Bizzotto, D., see Stoodley, R. (1564) 289
- Bortolato, M., see Morandat, S. (1564) 473
- Bowen, H.C., see White, P.J. (1564) 299
- Boyd, C.A.R., see Shennan, D.B. (1564) 133
- Briane, D., see Lesage, D. (1564) 393
- Brock, R., see Fischer, R. (1564) 365
- Bryszewska, M., see Soszyński, M. (1564) 479
- Cadiou, H., see Saint, N. (1564) 359
- Calucci, L., see Berglund, A.H. (1564) 466
- Calvert, D.T., see Shennan, D.B. (1564) 133
- Cao, A., see Lesage, D. (1564) 393
- Carlotti, C., Aussenac, F. and Dufourc, E.J.
Towards high-resolution ¹H-NMR in biological membranes: magic angle spinning of bicelles (1564) 156
- Caruso-Neves, C., see Rangel, L.B.A. (1564) 310
- Castagnola, M., see Galtieri, A. (1564) 214
- Cevc, G., Schätzlein, A. and Richardsen, H.
Ultra-deformable lipid vesicles can penetrate the skin and other semi-permeable barriers unfragmented. Evidence from double label CLSM experiments and direct size measurements (1564) 21
- Chen, L., see Engel, C.K. (1564) 38
- Chen, L., see Engel, C.K. (1564) 47
- Cho, E.-S., see Yun, I. (1564) 123
- Choi, C.-H., see Yun, I. (1564) 123
- Christian, A.-L., see Drobny, M. (1564) 243
- Chung, I.-K., see Yun, I. (1564) 123
- Chypre, C., see Pouliot, R. (1564) 317
- Clarke, D.J., see Aojula, H.S. (1564) 73
- Cornell, R.B., see Drobny, A.E. (1564) 82
- Coudert, R., see Lesage, D. (1564) 393
- Crommelin, D.J.A., see Luisa Corvo, M. (1564) 227
- Cruz, M.E.M., see Luisa Corvo, M. (1564) 227
- Cupello, A., see Balduzzi, R. (1564) 263
- Daly, M.E., see Sen, A. (1564) 5
- Dan, N.
Effect of liposome charge and PEG polymer layer thickness on cell–liposome electrostatic interactions (1564) 343
- Daoud, G., see Moreau, R. (1564) 325
- Das, S., see Ghosh, P. (1564) 500
- Davidsen, J., Mouritsen, O.G. and Jørgensen, K.
Synergistic permeability enhancing effect of lysophospholipids and fatty acids on lipid membranes (1564) 256
- Davies, J.M., see White, P.J. (1564) 299
- Davies, S.M.A., see Drobny, A.E. (1564) 82
- Demidchik, V., see White, P.J. (1564) 299
- Diakowski, W. and Sikorski, A.F.
Brain spectrin exerts much stronger effect on anionic phospholipid monolayers than erythroid spectrin (1564) 403
- Dibrov, P., see Ostroumov, E. (1564) 99
- Dickson, K.A., see Hollenbach, A.D. (1564) 421
- Di Meglio, J.-M., see Maeda, N. (1564) 165
- Di Rosa, D., see Galtieri, A. (1564) 214
- Drobny, A.E., Davies, S.M.A., Kraayenhof, R., Epand, R.F., Epand, R.M. and Cornell, R.B.
CTP:phosphocholine cytidyltransferase and protein kinase C recognize different physical features of membranes: differential responses to an oxidized phosphatidylcholine (1564) 82
- Drobny, M., Schnölzer, M., Fiedler, S., Lüttge, U., Fischer-Schliebs, E., Christian, A.-L. and Ratajczak, R.
Phenotypic subunit composition of the tobacco (*Nicotiana tabacum* L.) vacuolar-type H⁺-translocating ATPase (1564) 243
- Dufourc, E.J., see Carlotti, C. (1564) 156
- Dzioba, J., see Ostroumov, E. (1564) 99
- Engel, C.K., Chen, L. and Privé, G.G.
Insertion of carrier proteins into hydrophilic loops of the *Escherichia coli* lactose permease (1564) 38
- Engel, C.K., Chen, L. and Privé, G.G.
Stability of the lactose permease in detergent solutions (1564) 47

- Epand, R.F., see Drobnies, A.E. (1564) 82
 Epand, R.M., see Drobnies, A.E. (1564) 82
- Fahrenholz, F., see Gimpl, G. (1564) 384
 Faisal, S.M., see Masood, A.K. (1564) 219
 Ficarra, S., see Galtieri, A. (1564) 214
 Fiedler, S., see Drobnies, M. (1564) 243
 Fischer, R., Waizenegger, T., Köhler, K. and Brock, R.
 A quantitative validation of fluorophore-labelled cell-permeable peptide conjugates: fluorophore and cargo dependence of import (1564) 365
 Fischer-Schliebs, E., see Drobnies, M. (1564) 243
 Furuya, T., see Shigematsu, D. (1564) 271
- Galtieri, A., Tellone, E., Romano, L., Misiti, F., Bellocco, E., Ficarra, S., Russo, A., Di Rosa, D., Castagnola, M., Giardina, B. and Messina, I.
 Band-3 protein function in human erythrocytes: effect of oxygenation–deoxygenation (1564) 214
 Gascoyne, P.R.C., see Ratanachoo, K. (1564) 449
 Gascoyne, P.R.C., see Wang, X. (1564) 412
 Gaucher, J., Santaella, C. and Vierling, P.
 Transfection with fluorinated lipoplexes based on fluorinated analogues of DOTMA, DMR1 and DPPE (1564) 349
 Gaudreault, R.C., see Pouliot, R. (1564) 317
 Ghosh, P., Ghosh, S. and Das, S.
 Self-regulation of rat liver GAP junction by phosphorylation (1564) 500
 Ghosh, S., see Ghosh, P. (1564) 500
 Giardina, B., see Galtieri, A. (1564) 214
 Gimpl, G. and Fahrenholz, F.
 Cholesterol as stabilizer of the oxytocin receptor (1564) 384
 Guo, W., see Sudimack, J.J. (1564) 31
- Hagenbuch, B., see Van Montfort, J.E. (1564) 183
 Hah, J.S., Ryu, J., Lee, W., Jung, C.Y. and Lachaal, M.
 The hepatocyte glucose-6-phosphatase subcomponent T3: its relationship to GLUT2 (1564) 198
 Haro, R. and Rodríguez-Navarro, A.
 Molecular analysis of the mechanism of potassium uptake through the TRK1 transporter of *Saccharomyces cerevisiae* (1564) 114
 Hollenbach, A.D., Dickson, K.A. and Washabaugh, M.W.
 Thiamin transport in *Escherichia coli*: the mechanism of inhibition by the sulfhydryl-specific modifier *N*-ethylmaleimide (1564) 421
 Huestis, W.H., see Pitcher III, W.H. (1564) 107
 Hui, S.W., see Sen, A. (1564) 5
 Hutchinson, A.P., see Aojula, H.S. (1564) 73
- Iseki, K., see Sugawara, M. (1564) 149
- Jain, M., see Koulov, A.V. (1564) 459
 Jang, H.-O., see Yun, I. (1564) 123
 Jorge, J.C.S., see Luisa Corvo, M. (1564) 227
 Jørgensen, K., see Davidsen, J. (1564) 256
 Jumarie, C.
 Cadmium transport through type II alveolar cell monolayers: contribution of transcellular and paracellular pathways in the rat A549 and the human A549 cells (1564) 487
 Jung, C.Y., see Hah, J.S. (1564) 198
- Kawasaki, K., see Toshima, Y. (1564) 375
 Keller, S.L., see Pitcher III, W.H. (1564) 107
 Killig, F. and Stark, G.
 Photodynamic activation of ion transport through lipid membranes and its correlation with an increased dielectric constant of the membrane (1564) 207
- Kim, I.-S., see Yun, I. (1564) 123
 Kim, U.-K., see Yun, I. (1564) 123
 Kiyota, T., see Shigematsu, D. (1564) 271
 Kobayashi, M., see Sugawara, M. (1564) 149
 Köhler, K., see Fischer, R. (1564) 365
 Koulov, A.V., Vares, L., Jain, M. and Smith, B.D.
 Cationic triple-chain amphiphiles facilitate vesicle fusion compared to double-chain or single-chain analogues (1564) 459
 Kraayenhof, R., see Drobnies, A.E. (1564) 82
 Kudo, Y., see Shennan, D.B. (1564) 133
 Kurosawa, M., see Sugawara, M. (1564) 149
- Lachaal, M., see Hah, J.S. (1564) 198
 Lafond, J., see Moreau, R. (1564) 325
 Lara, L.S., see Rangel, L.B.A. (1564) 310
 Lee, R.J., see Sudimack, J.J. (1564) 31
 Lee, S., see Shigematsu, D. (1564) 271
 Lee, W., see Hah, J.S. (1564) 198
 Lesage, D., Cao, A., Briane, D., Lievre, N., Coudert, R., Raphael, M., Salzmann, J.L. and Taillandier, E.
 Evaluation and optimization of DNA delivery into gliosarcoma 9L cells by a cholesterol-based cationic liposome (1564) 393
 Lievre, N., see Lesage, D. (1564) 393
 Liljenberg, C., see Berglund, A.H. (1564) 466
 Liu, X.Y. and Matherly, L.H.
 Analysis of membrane topology of the human reduced folate carrier protein by hemagglutinin epitope insertion and scanning glycosylation insertion mutagenesis (1564) 333
 Loewen, P.C., see Ostroumov, E. (1564) 99
 Lopes, A.G., see Rangel, L.B.A. (1564) 310
 Luisa Corvo, M., Jorge, J.C.S., Van't Hof, R., Cruz, M.E.M., Crommelin, D.J.A. and Storm, G.
 Superoxide dismutase entrapped in long-circulating liposomes: formulation design and therapeutic activity in rat adjuvant arthritis (1564) 227
 Lüttge, U., see Drobnies, M. (1564) 243
- Madeira, V.M.C., see Videira, R.A. (1564) 140
 Maeda, N., Senden, T.J. and Di Meglio, J.-M.
 Micromanipulation of phospholipid bilayers by atomic force microscopy (1564) 165
 Marsh, D., see Bartucci, R. (1564) 237
 Martinez, L.C. and Turner, G.J.
 High-throughput screening of bacteriorhodopsin mutants in whole cell pastes (1564) 91
 Masood, A.K., Faisal, S.M., Mushahid, M.K., Nadeem, A., Siddiqui, M.U. and Owais, M.
 Binding of bilirubin with albumin-coupled liposomes: implications in the treatment of jaundice (1564) 219
 Mase, A., see Moreau, R. (1564) 325
 Masum, S.Md., see Tanaka, T. (1564) 1
 Matherly, L.H., see Liu, X.Y. (1564) 333
 Matsuoka, S. and Murata, M.
 Cholesterol markedly reduces ion permeability induced by membrane-bound amphotericin B (1564) 429
 Matsutani, M., see Shigematsu, D. (1564) 271
 McConnell, H.M., see Okonogi, T.M. (1564) 1
 Meier, P.J., see Van Montfort, J.E. (1564) 183
 Messina, I., see Galtieri, A. (1564) 214
 Misiti, F., see Galtieri, A. (1564) 214
 Miyazaki, K., see Sugawara, M. (1564) 149
 Molle, G., see Saint, N. (1564) 359
 Morandat, S., Bortolato, M. and Roux, B.
 Cholesterol-dependent insertion of glycosylphosphatidylinositol-anchored enzyme (1564) 473

- Moreau, R., Daoud, G., Bernatchez, R., Simoneau, L., Masse, A. and Lafond, J.
Calcium uptake and calcium transporter expression by trophoblast cells from human term placenta (1564) 325
- Mouritsen, O.G., see Davidsen, J. (1564) 256
- Murata, M., see Matsuoka, S. (1564) 429
- Mushahid, M.K., see Masood, A.K. (1564) 219
- Nadeem, A., see Masood, A.K. (1564) 219
- Navari-Izzo, F., see Berglund, A.H. (1564) 466
- Nichols, C., see White, P.J. (1564) 299
- Nicklin, S., see Aojula, H.S. (1564) 73
- Nieva, J.L., see Sáez-Cirión, A. (1564) 57
- Nurowska, E. and Ruzzier, F.
Modulation of acetylcholine receptor channel kinetics by hydrocortisone (1564) 14
- Offerman, S., see Aojula, H.S. (1564) 73
- Okonogi, T.M., Radhakrishnan, A. and McConnell, H.M.
Two fatty acids can replace one phospholipid in condensed complexes with cholesterol (1564) 1
- Ollila, F. and Slotte, J.P.
Partitioning of Triton X-100, deoxycholate and C₁₀EO₈ into bilayers composed of native and hydrogenated egg yolk sphingomyelin (1564) 281
- Opekarová, M., Robl, I. and Tanner, W.
Phosphatidyl ethanolamine is essential for targeting the arginine transporter Can1p to the plasma membrane of yeast (1564) 9
- Ostroumov, E., Dzioba, J., Loewen, P.C. and Dibrov, P.
Asp³⁴⁴ and Thr³⁴⁵ are critical for cation exchange mediated by NhaD, Na⁺/H⁺ antiporter of *Vibrio cholerae* (1564) 99
- Owais, M., see Masood, A.K. (1564) 219
- Pantusa, M., see Bartucci, R. (1564) 237
- Pinzino, C., see Berglund, A.H. (1564) 466
- Pitcher III, W.H., Keller, S.L. and Huestis, W.H.
Interaction of nominally soluble proteins with phospholipid monolayers at the air–water interface (1564) 107
- Pouliot, R., Saint-Laurent, A., Chypre, C., Audet, R., Vitté-Mony, I., -Gaudreault, R.C. and Auger, M.
Spectroscopic characterization of nanoErythroosomes in the absence and presence of conjugated polyethyleneglycols: an FTIR and ³¹P-NMR study (1564) 317
- Privé, G.G., see Engel, C.K. (1564) 38
- Privé, G.G., see Engel, C.K. (1564) 47
- Quartacci, M.F., see Berglund, A.H. (1564) 466
- Quinn, P.J., see Wang, X. (1564) 66
- Radhakrishnan, A., see Okonogi, T.M. (1564) 1
- Rangel, L.B.A., Caruso-Neves, C., Lara, L.S. and Lopes, A.G.
Angiotensin II stimulates renal proximal tubule Na⁺-ATPase activity through the activation of protein kinase C (1564) 310
- Raphael, M., see Lesage, D. (1564) 393
- Ratajczak, R., see Drobny, M. (1564) 243
- Ratanachoo, K., Gascoyne, P.R.C. and Ruchirawat, M.
Detection of cellular responses to toxicants by dielectrophoresis (1564) 449
- Richardsen, H., see Cevc, G. (1564) 21
- Robello, M., see Balduzzi, R. (1564) 263
- Robl, I., see Opekarová, M. (1564) 9
- Rod Merrill, A., see Tory, M.C. (1564) 435
- Rodríguez-Navarro, A., see Haro, R. (1564) 114
- Romano, L., see Galtieri, A. (1564) 214
- Roux, B., see Morandat, S. (1564) 473
- Ruchirawat, M., see Ratanachoo, K. (1564) 449
- Russo, A., see Galtieri, A. (1564) 214
- Ruzzier, F., see Nurowska, E. (1564) 14
- Ryu, J., see Hah, J.S. (1564) 198
- Sáez-Cirión, A. and Nieva, J.L.
Conformational transitions of membrane-bound HIV-1 fusion peptide (1564) 57
- Saint-Laurent, A., see Pouliot, R. (1564) 317
- Saint, N., Cadiou, H., Bessin, Y. and Molle, G.
Antibacterial peptide pleurocidin forms ion channels in planar lipid bilayers (1564) 359
- Sakai, K., see Sugawara, M. (1564) 149
- Salzmann, J.L., see Lesage, D. (1564) 393
- Santaella, C., see Gaucher, J. (1564) 349
- Schätzlein, A., see Cevc, G. (1564) 21
- Schmid, T.E., see Van Montfort, J.E. (1564) 183
- Schnölzer, M., see Drobny, M. (1564) 243
- Sen, A., Daly, M.E. and Hui, S.W.
Transdermal insulin delivery using lipid enhanced electroporation (1564) 5
- Senden, T.J., see Maeda, N. (1564) 165
- Shennan, D.B., Calvert, D.T., Travers, M.T., Kudo, Y. and Boyd, C.A.R.
A study of L-leucine, L-phenylalanine and L-alanine transport in the perfused rat mammary gland: possible involvement of LAT1 and LAT2 (1564) 133
- Shepherd, J., see Stoodley, R. (1564) 289
- Shigematsu, D., Matsutani, M., Furuya, T., Kiyota, T., Lee, S., Sugihara, G. and Yamashita, S.
Roles of peptide–peptide charge interaction and lipid phase separation in helix–helix association in lipid bilayer (1564) 271
- Siddiqui, M.U., see Masood, A.K. (1564) 219
- Sikorski, A.F., see Diakowski, W. (1564) 403
- Simoneau, L., see Moreau, R. (1564) 325
- Slotte, J.P., see Ollila, F. (1564) 281
- Smith, B.D., see Koulov, A.V. (1564) 459
- Soszyński, M., Zavodnik, I.B., Zavodnik, L.B., Żylinska, L., Bartosz, G. and Bryszewska, M.
Hypochlorous acid inhibits glutathione S-conjugate export from human erythrocytes (1564) 479
- Sportelli, L., see Bartucci, R. (1564) 237
- Stark, G., see Killig, F. (1564) 207
- Stoodley, R., Shepherd, J., Wasan, K.M. and Bizzotto, D.
Amphotericin B interactions with a DOPC monolayer. Electrochemical investigations (1564) 289
- Storm, G., see Luisa Corvo, M. (1564) 227
- Sudimack, J.J., Guo, W., Tjarks, W. and Lee, R.J.
A novel pH-sensitive liposome formulation containing oleyl alcohol (1564) 31
- Sugawara, M., Kurosawa, M., Sakai, K., Kobayashi, M., Iseki, K. and Miyazaki, K.
Ionic strength has a greater effect than does transmembrane electric potential difference on permeation of tryptamine and indoleacetic acid across Caco-2 cells (1564) 149
- Sugihara, G., see Shigematsu, D. (1564) 271
- Taillandier, E., see Lesage, D. (1564) 393
- Tamba, Y., see Tanaka, T. (1564) 173
- Tanaka, T., Tamba, Y., Masum, S.Md., Yamashita, Y. and Yamazaki, M.
La³⁺ and Gd³⁺ induce shape change of giant unilamellar vesicles of phosphatidylcholine (1564) 173
- Tanner, W., see Opekarová, M. (1564) 9
- Tellone, E., see Galtieri, A. (1564) 214
- Tjarks, W., see Sudimack, J.J. (1564) 31
- Tory, M.C. and Rod Merrill, A.
Determination of membrane protein topology by red-edge excitation shift analysis: application to the membrane-bound colicin E1 channel peptide (1564) 435

- Toshima, Y. and Kawasaki, K.
Behavior of silkworm yolk protein on phospholipid membranes (1564) 375
- Travers, M.T., see Shennan, D.B. (1564) 133
- Tsuji, F.I.
Bioluminescence reaction catalyzed by membrane-bound luciferase in the “firefly squid,” *Watasenia scintillans* (1564) 189
- Turner, G.J., see Martinez, L.C. (1564) 91
- Van Montfoort, J.E., Schmid, T.E., Adler, I.-D., Meier, P.J. and Hagenbuch, B.
Functional characterization of the mouse organic-anion-transporting polypeptide 2 (1564) 183
- Van't Hof, R., see Luisa Corvo, M. (1564) 227
- Vares, L., see Koulov, A.V. (1564) 459
- Videira, R.A., Antunes-Madeira, M.C. and Madeira, V.M.C.
Differential effects induced by α - and β -endosulfan in lipid bilayer organization are reflected in proton permeability (1564) 140
- Vierling, P., see Gaucheron, J. (1564) 349
- Vitté-Mony, I., see Pouliot, R. (1564) 317
- Waizenegger, T., see Fischer, R. (1564) 365
- Wang, X. and Quinn, P.J.
Cubic phase is induced by cholesterol in the dispersion of 1-palmitoyl-2-oleoyl-phosphatidylethanolamine (1564) 66
- Wang, X., Becker, F.F. and Gascoyne, P.R.C.
Membrane dielectric changes indicate induced apoptosis in HL-60 cells more sensitively than surface phosphatidylserine expression or DNA fragmentation (1564) 412
- Wasan, K.M., see Stoodley, R. (1564) 289
- Washabaugh, M.W., see Hollenbach, A.D. (1564) 421
- White, P.J., Bowen, H.C., Demidchik, V., Nichols, C. and Davies, J.M.
Genes for calcium-permeable channels in the plasma membrane of plant root cells (1564) 299
- Wood, W.G., see Yun, I. (1564) 123
- Yamashita, S., see Shigematsu, D. (1564) 271
- Yamashita, Y., see Tanaka, T. (1564) 173
- Yamazaki, M., see Tanaka, T. (1564) 173
- Yun, I., Cho, E.-S., Jang, H.-O., Kim, U.-K., Choi, C.-H., Chung, I.-K., Kim, I.-S. and Wood, W.G.
Amphiphilic effects of local anesthetics on rotational mobility in neuronal and model membranes (1564) 123
- Zavodnik, I.B., see Soszyński, M. (1564) 479
- Zavodnik, L.B., see Soszyński, M. (1564) 479
- Żylinska, L., see Soszyński, M. (1564) 479